

Title (en)

Locking device for two members being movable relative to each other

Title (de)

Verriegelungsvorrichtung für zwei relativ zueinander verschiebbar gelagerte Bauteile

Title (fr)

Dispositif de fixation pour deux elements monté coulissant l'un par rapport à l'autre

Publication

EP 1394012 B1 20050126 (DE)

Application

EP 03014812 A 20030630

Priority

DE 10240235 A 20020828

Abstract (en)

[origin: EP1394012A1] The device is especially for adjustable steering columns, for two components having opposite toothed racks (42,43). It has an adjusting part (50), which slides in the first (41) component and has one or more teeth (51). The tip (56) of a tooth is located opposite to one flank (57) of a tooth of the toothed rack (43) of the second component (40). The adjusting part is formed by a shaft, projecting into an aperture in the first toothed rack (42), with one or more teeth at the free end. It engages on a pressure spring (54), which moves it outside against a stop (55).

IPC 1-7

B62D 1/18

IPC 8 full level

B62D 1/18 (2006.01); **B62D 1/184** (2006.01)

CPC (source: EP US)

B62D 1/184 (2013.01 - EP US); **Y10T 403/59** (2015.01 - EP US)

Citation (examination)

DE 4436091 C1 19960222 - KOSTAL LEOPOLD GMBH & CO KG [DE]

Cited by

CN106043408A; DE112006003157B4; CN105620543A; EP2905200A1; US9376135B2; DE112006003157T5; US8011268B2

Designated contracting state (EPC)

DE ES FR GB IT

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EP 03014812 A 20030630; DE 10240235 A 20020828; DE 50300279 T 20030630; ES 03014812 T 20030630; US 64809803 A 20030826